

Fig. 1

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## Filter Transmission vs. Position Linear Variable Filter

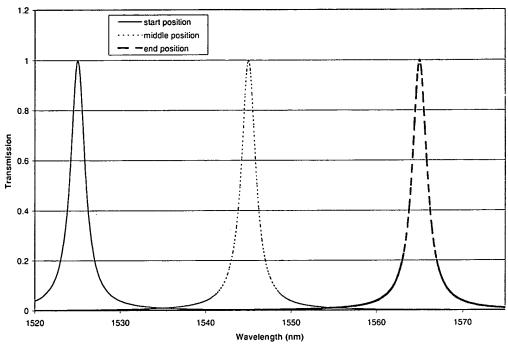


Fig. 2

## Center Wavelength vs. Input Angle Cavity based LVF Filter

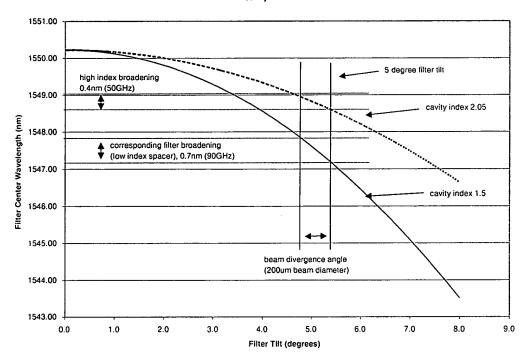


Fig. 3

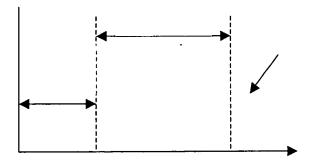


Fig. 4

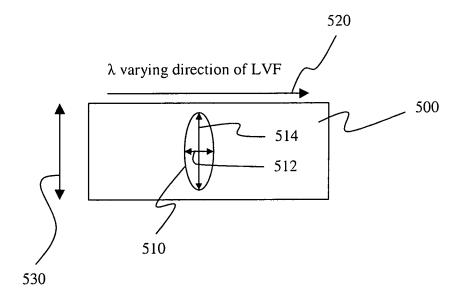


Fig. 5

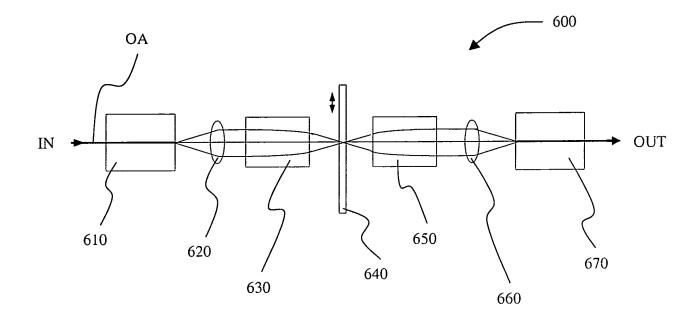


Fig. 6a

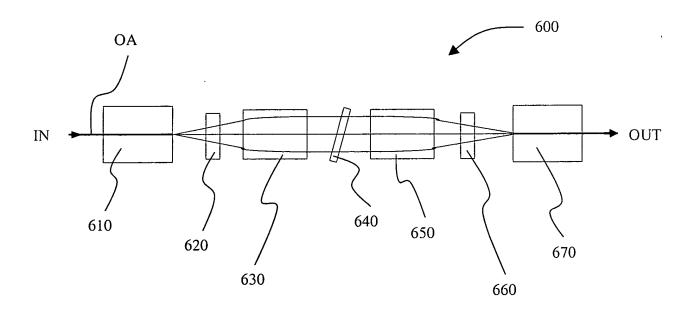


Fig. 6b

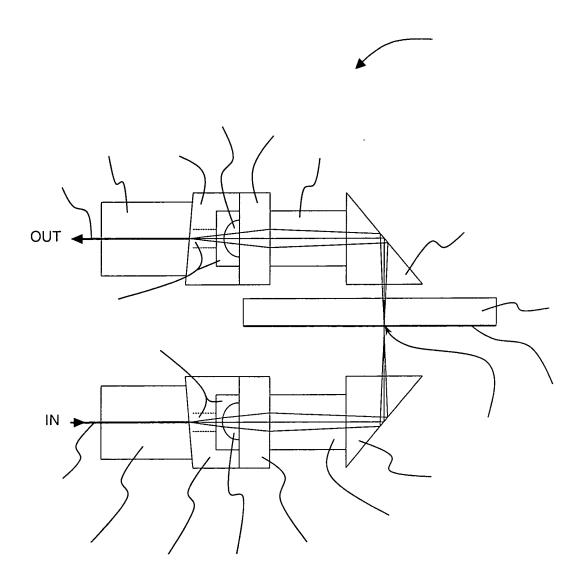


Fig. 7

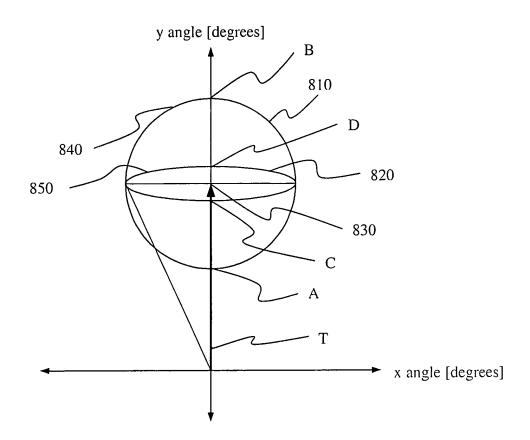


Fig. 8

## 0 intrinsic (unbroadened) filter -5 elliptical beam @ 5 degrees filter @ normal incidence circular beam @ 5 degrees D В transmission (dB) C filter slope = 6.5pm/um filter cavity index = 1.85 circular beam: 50um diameter -20 elliptical beam: 50um x 500um -25 1580 1580.5 1578 1578.5 1579 1579.5 1577 1577.5 wavelength (nm)

LVF Filter Broadening

Fig. 9

## VCF Filter Beam Broadening slope = 0.0065nm/um, filter tilt = 5 deg., cavity index 2.05

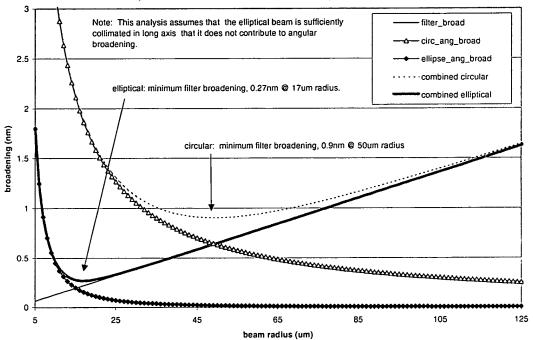


Fig. 10

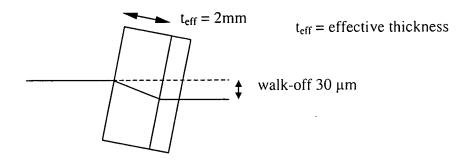


Fig. 11

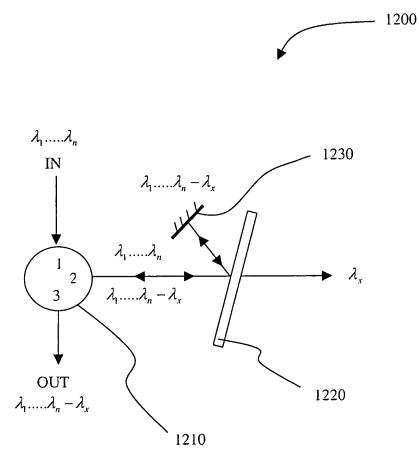


Fig. 12



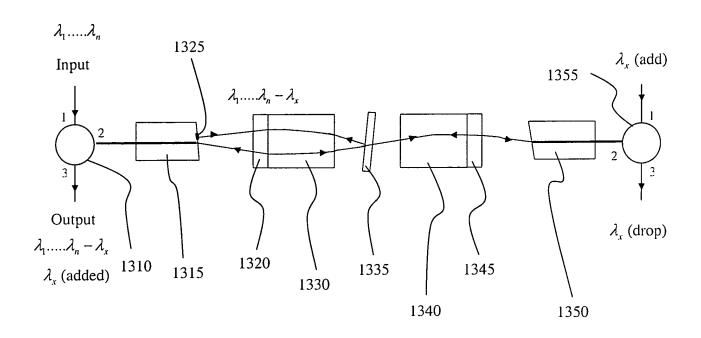


Fig. 13